

CCA GCA ACC AAT GAT GCC CGT T-TAMRA-3'
 CA GCA ACC AAT GAT GCC CGT T-TAMRA-3'

CCA GCA AGC ACT GAT GCC TGT T-TAMRA-3'
 CA GCA AGC ACT GAT GCC TGT T-TAMRA-3'

Fig. 1A

Fluorescent Dyes		
	Absorbance Maxima	Emission Maxima
Fluorescein	494nm	525nm
Tetrachloro fluorescein	521nm	536nm
TAMRA	565nm	580nm

Fig. 1B

Cleaved Fragments:

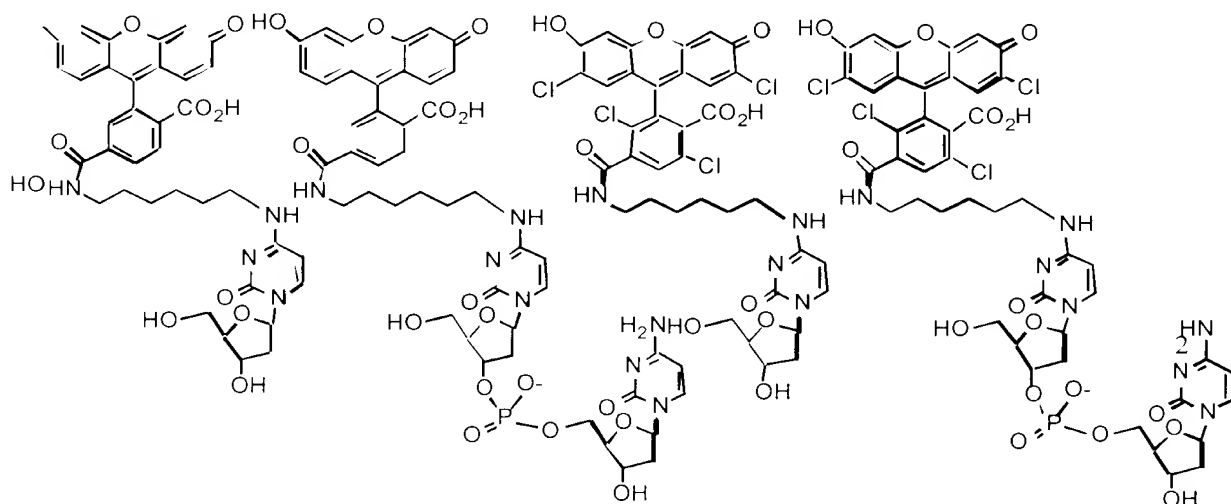


Fig. 1C

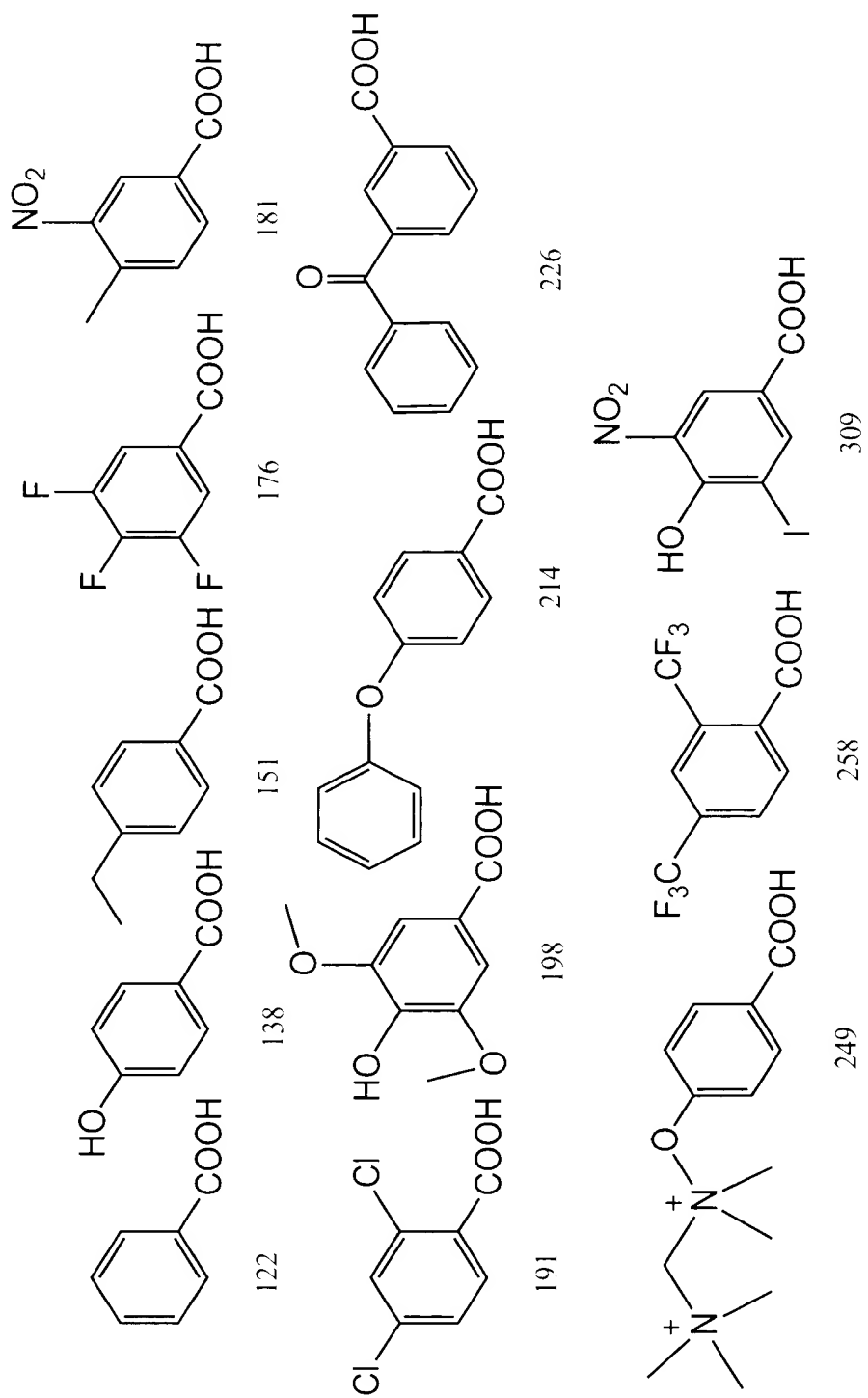


Fig. 2

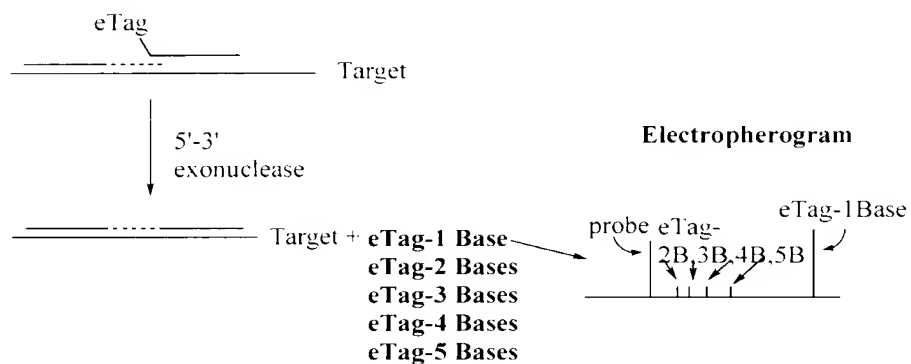


Fig. 3A

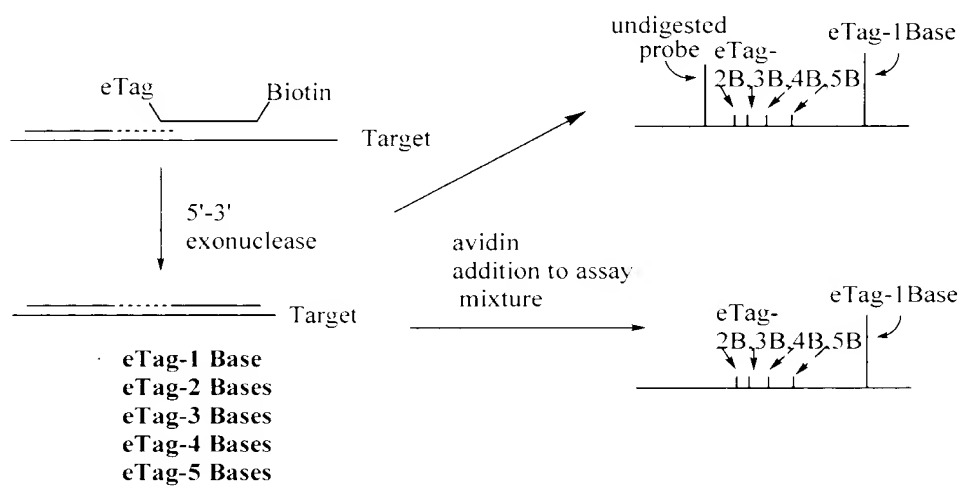


Fig. 3B

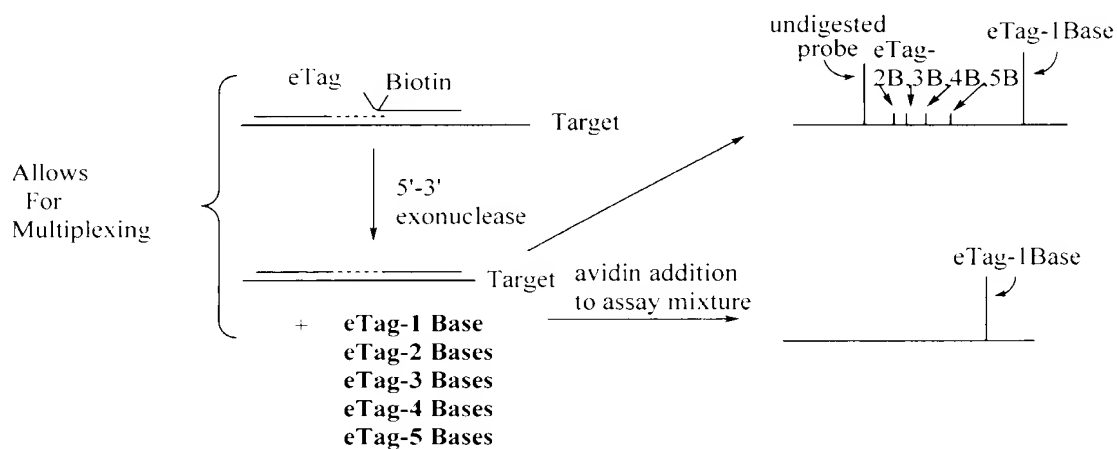


Fig. 3C

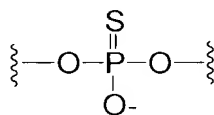


Fig. 3D

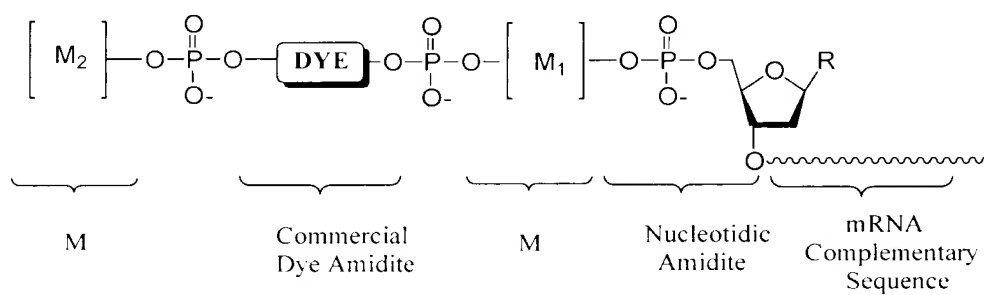


Fig. 4

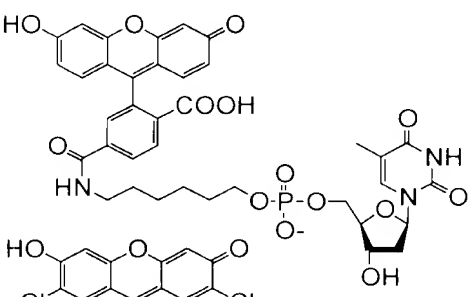
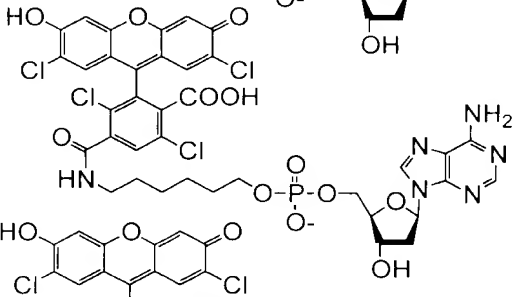
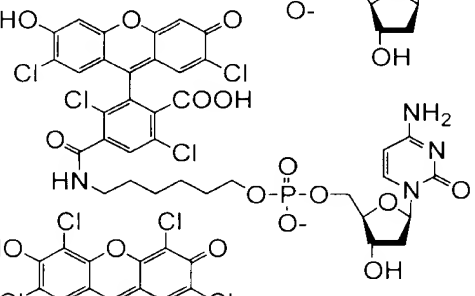
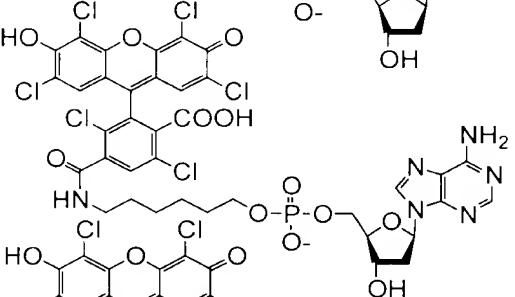
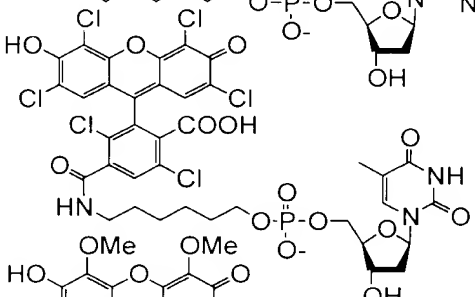
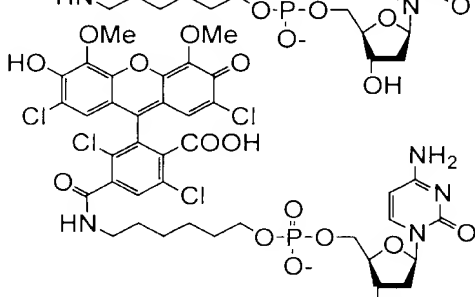
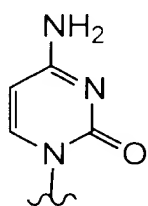
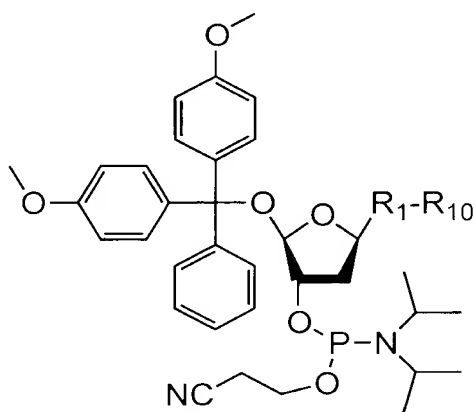
<u>e-tag Reporter</u>	<u>Elution Time on CE, min</u>	<u>Mass</u>
	6.4	778
	7.1	925
	7.3	901
	7.7	994
	8.0	985
	9.25	961

Fig. 5

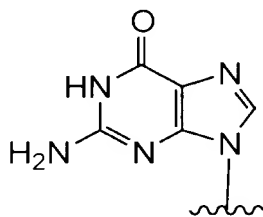
e-tag Reporter	Charge	Elution Time, min
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_3\text{C}_3\text{C}_3\text{C}_3\text{C}_3-\text{dC}$	-8	12.1*
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_6\text{C}_6\text{C}_6\text{C}_6\text{C}_6\text{C}_6-\text{dC}$	-9	12.7
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_6\text{C}_6\text{C}_6\text{C}_6\text{C}_6-\text{dC}$	-8	12.8
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_6\text{C}_6\text{C}_6\text{C}_6-\text{dC}$	-7	13.1
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_3\text{C}_3\text{C}_9-\text{dC}$	-6	13.0
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_6\text{C}_6\text{C}_6-\text{dC}$	-6	13.4
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_3\text{C}_3-\text{dC}$	-5	12.8*
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_3\text{C}_9-\text{dC}$	-5	13.2*
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_9\text{C}_9-\text{dC}$	-5	14.8
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{TTTdC}$	-6	17.3
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{TTdC}$	-5	17.0
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{C}_9-\text{dT}$	-4	15.2*
$\text{O}=\text{C}$ Fluorescein $\text{HN}(\text{CH}_2)_5\text{O}-\text{P}(=\text{O})(\text{O}^-)-\text{TdC}$	-4	16.5

Fig. 6

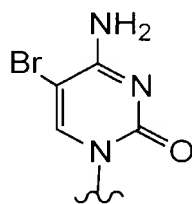
APPROVED	O. G. F. G.
BY	CLASS SUBCLASS
DRAFTSMAN	



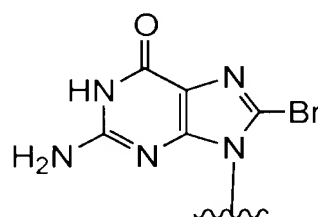
227



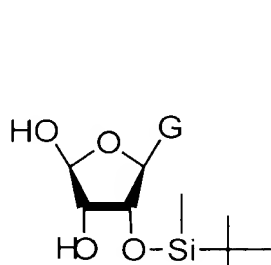
267



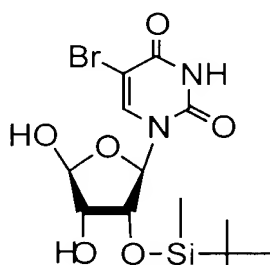
306



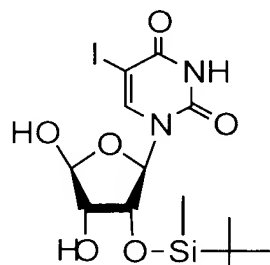
346



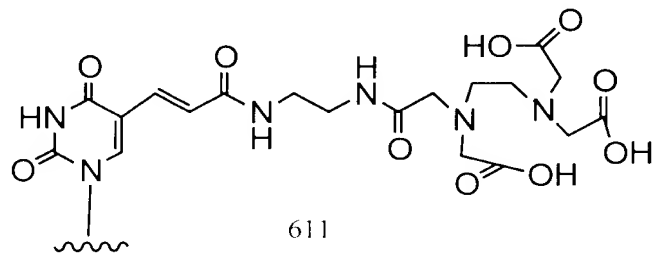
396



436



484



611

Fig. 7

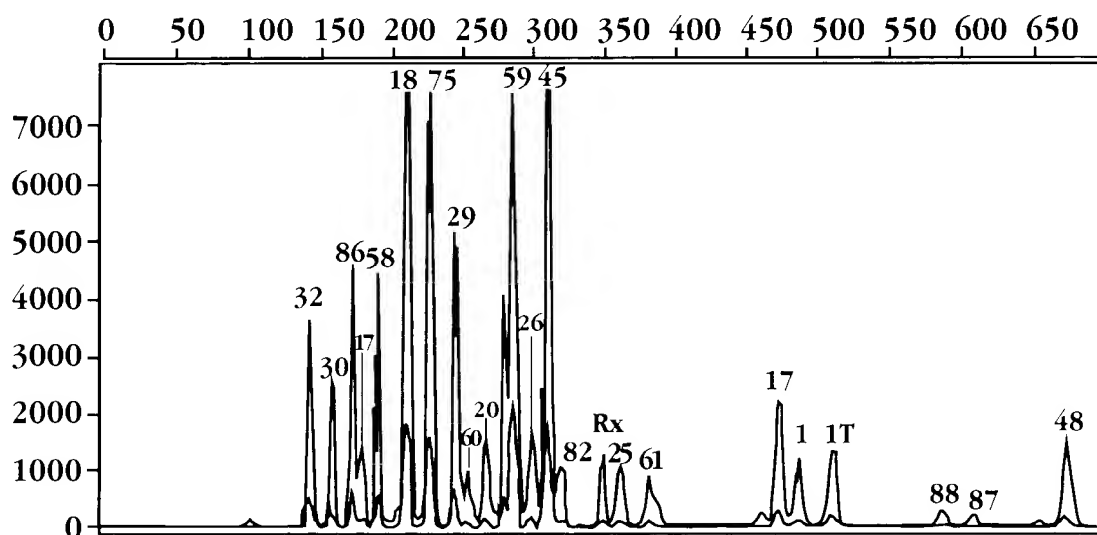


Fig. 8

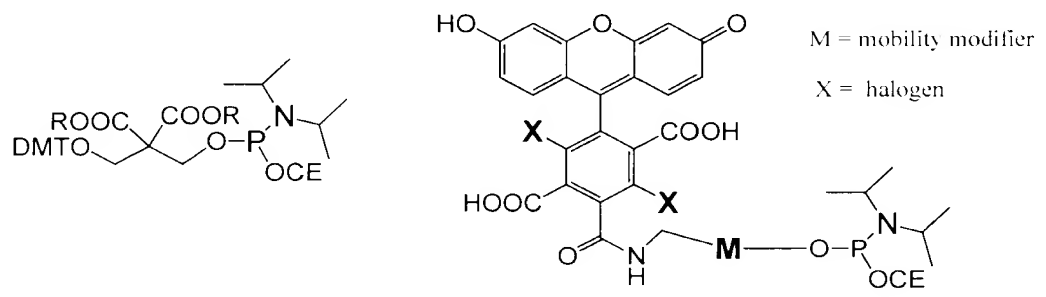


Fig. 9

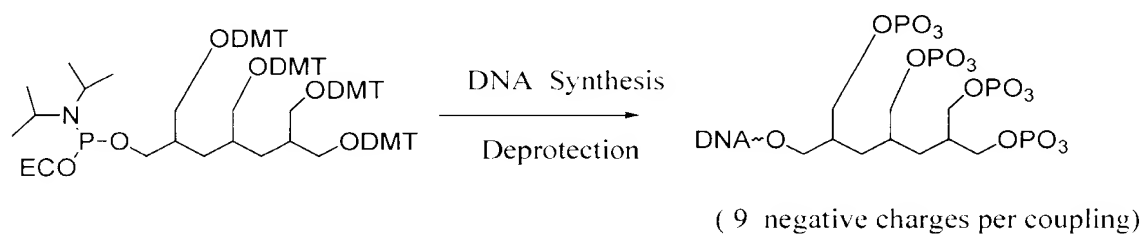


Fig. 10

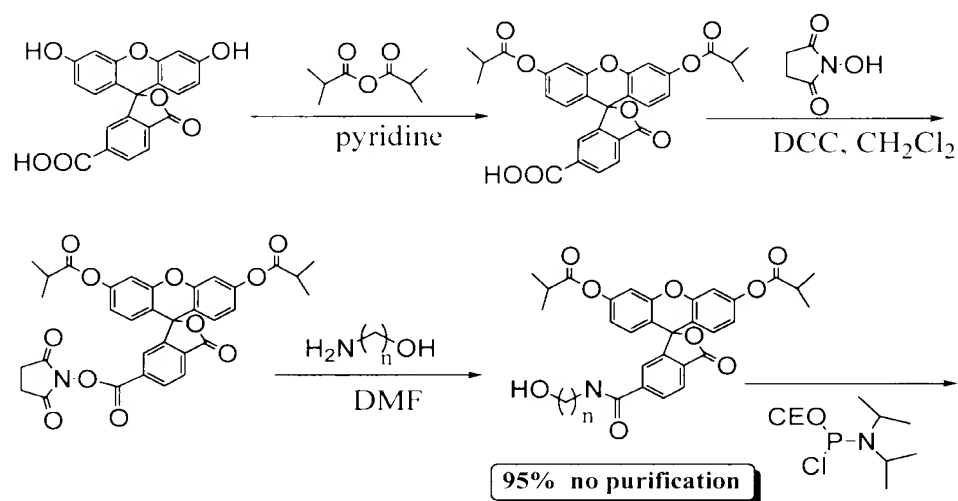


Fig. 11

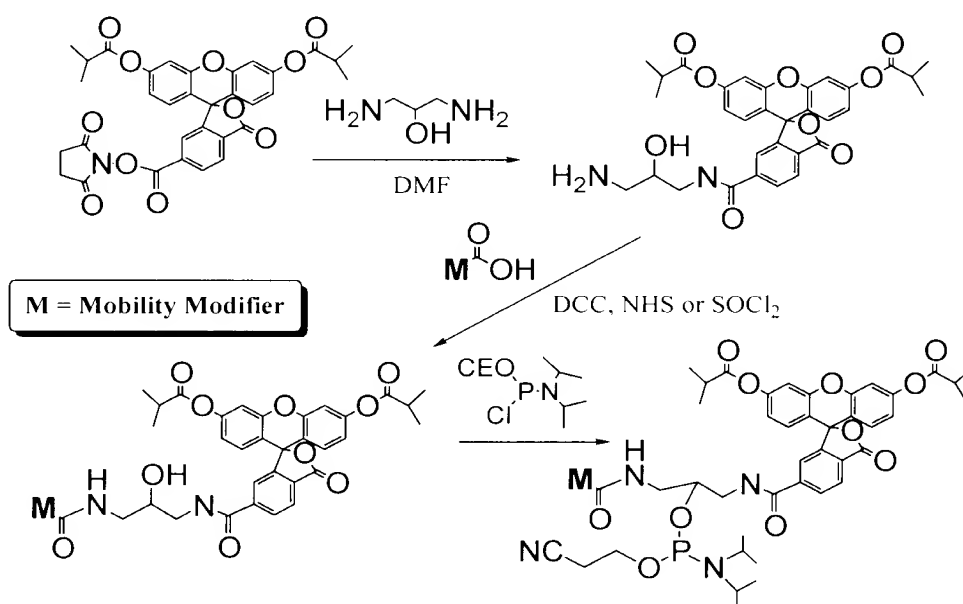


Fig. 12

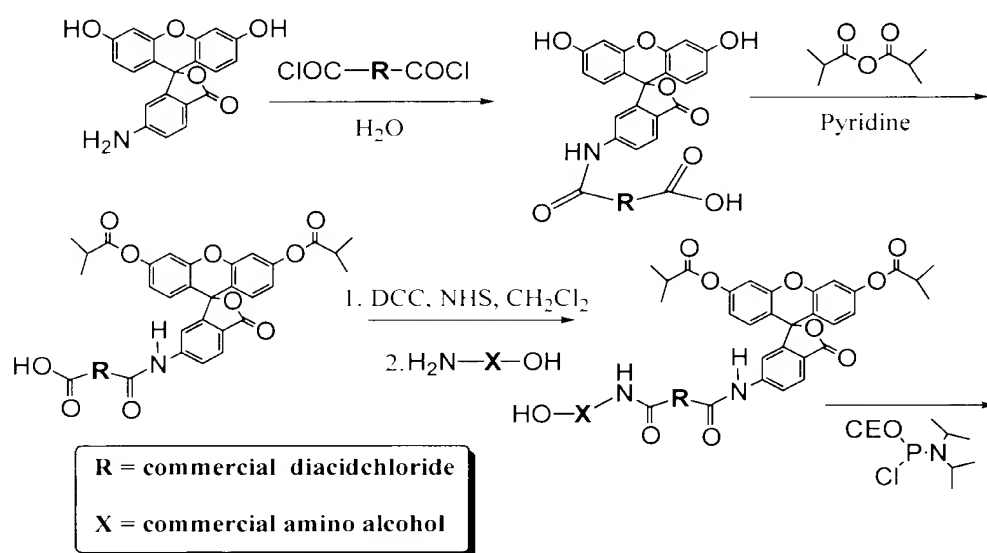


Fig. 13

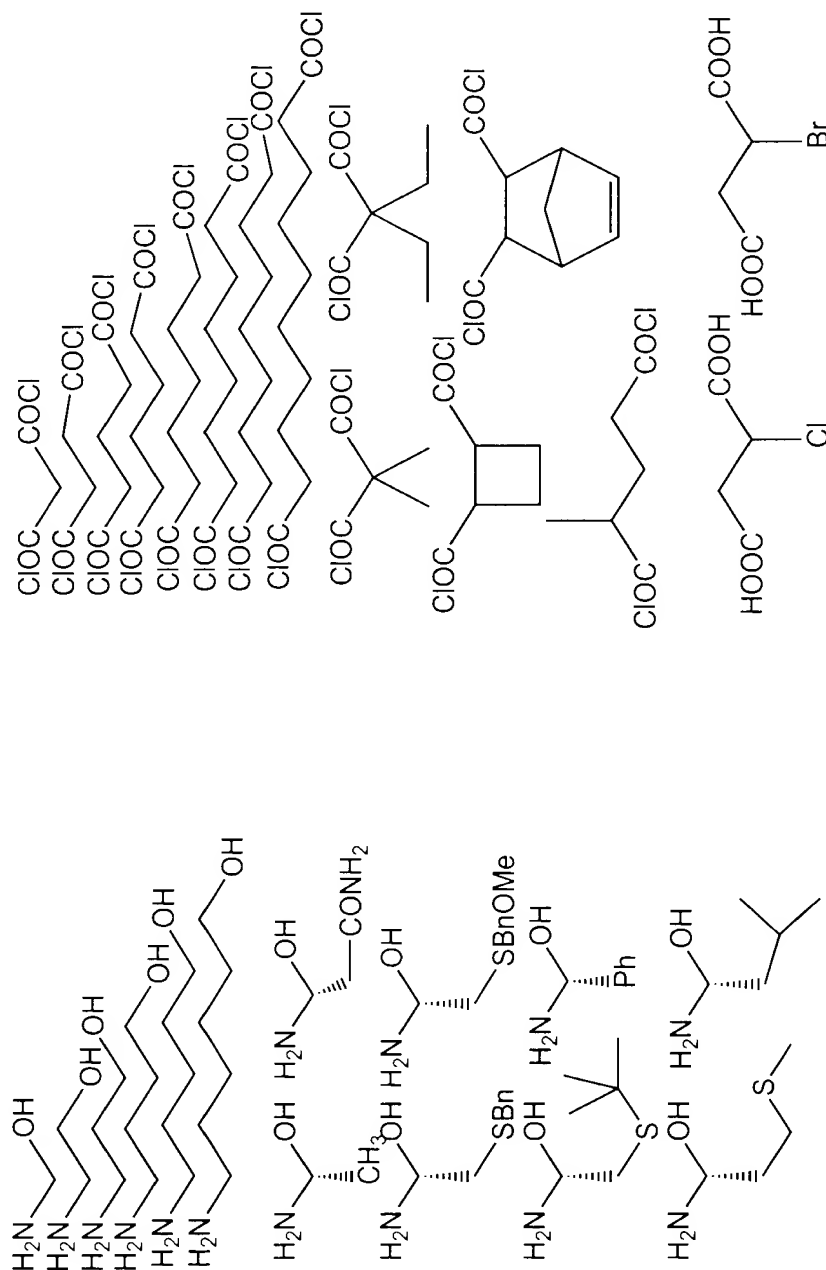


Fig. 14

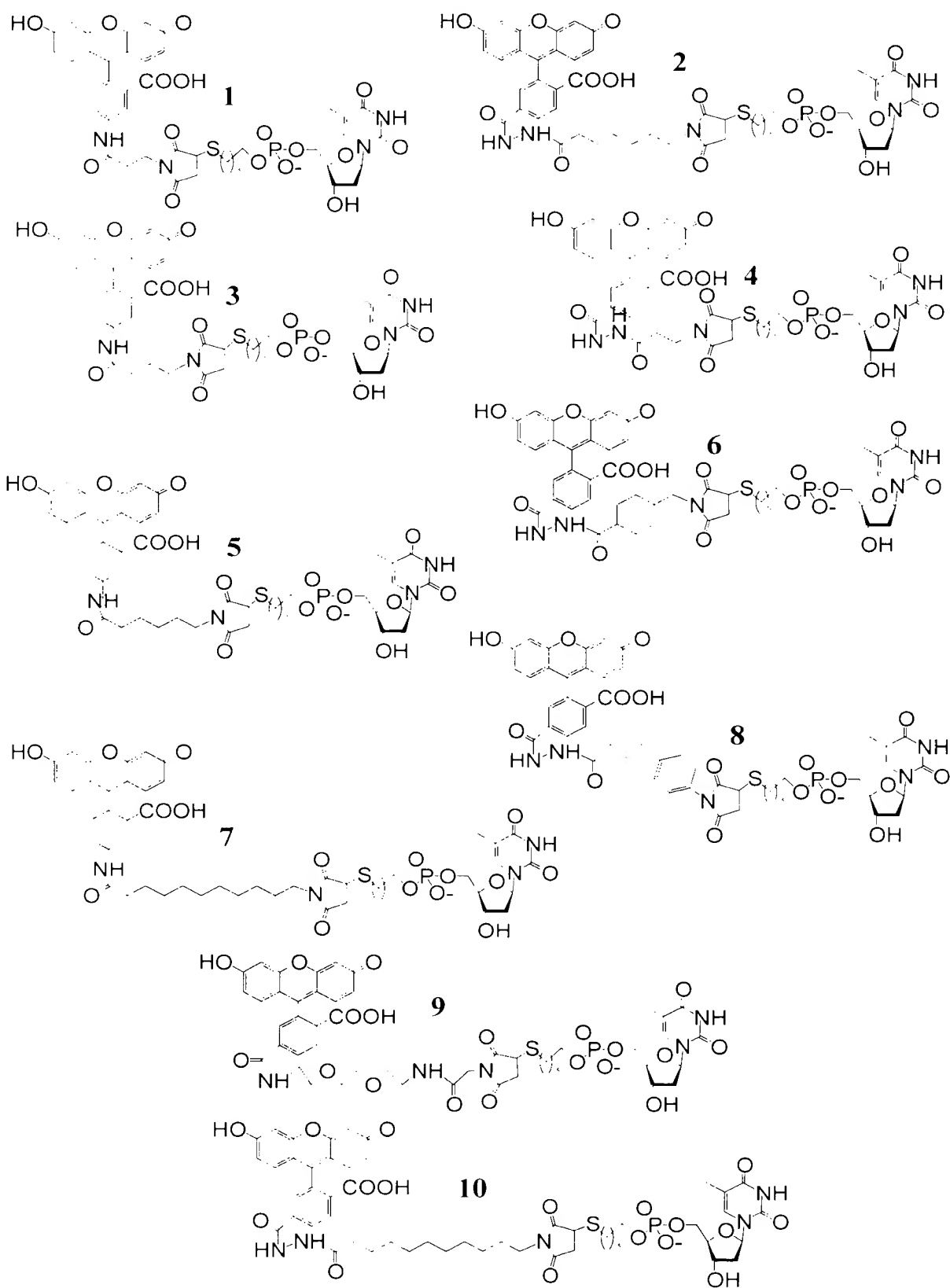


Fig. 15

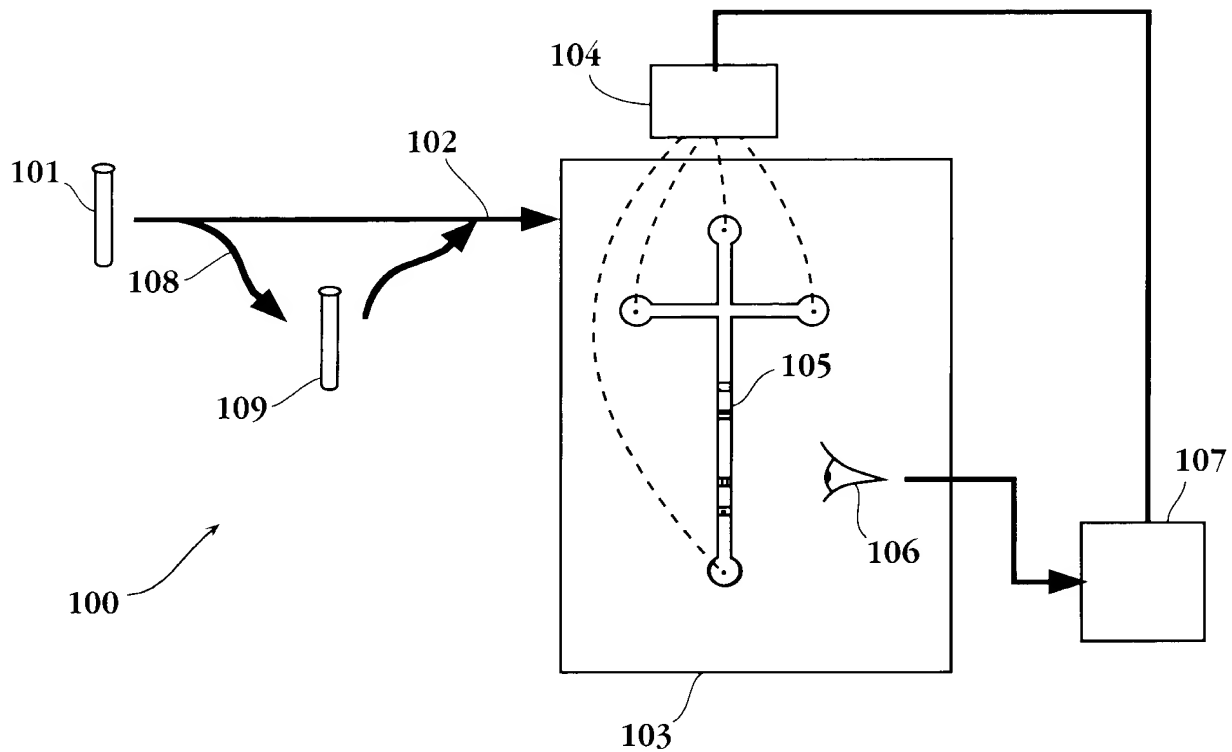
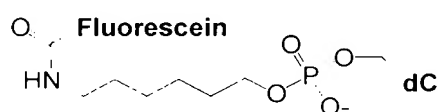
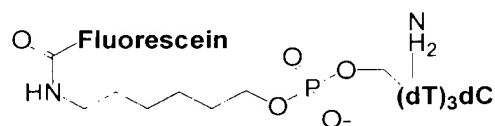


Fig. 16

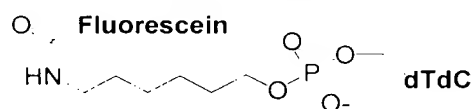
ACLA001



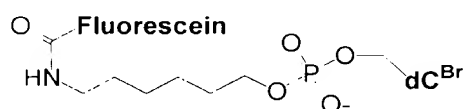
ACLA007



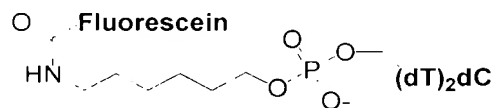
ACLA002



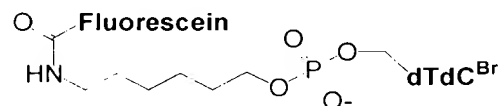
ACLA008



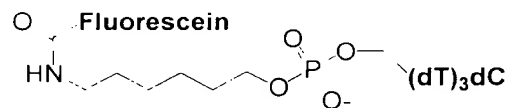
ACLA003



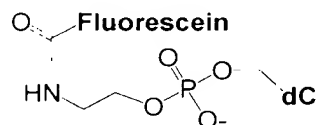
ACLA009



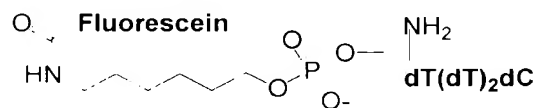
ACLA004



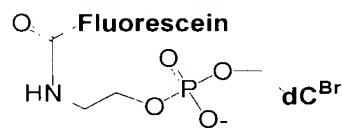
ACLA010



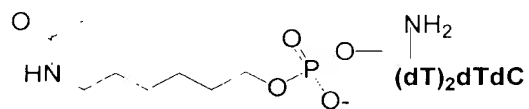
ACLA005



ACLA011



ACLA006



ACLA012

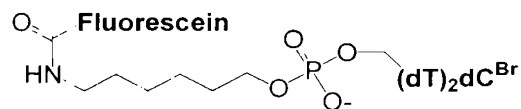


Fig. 17A

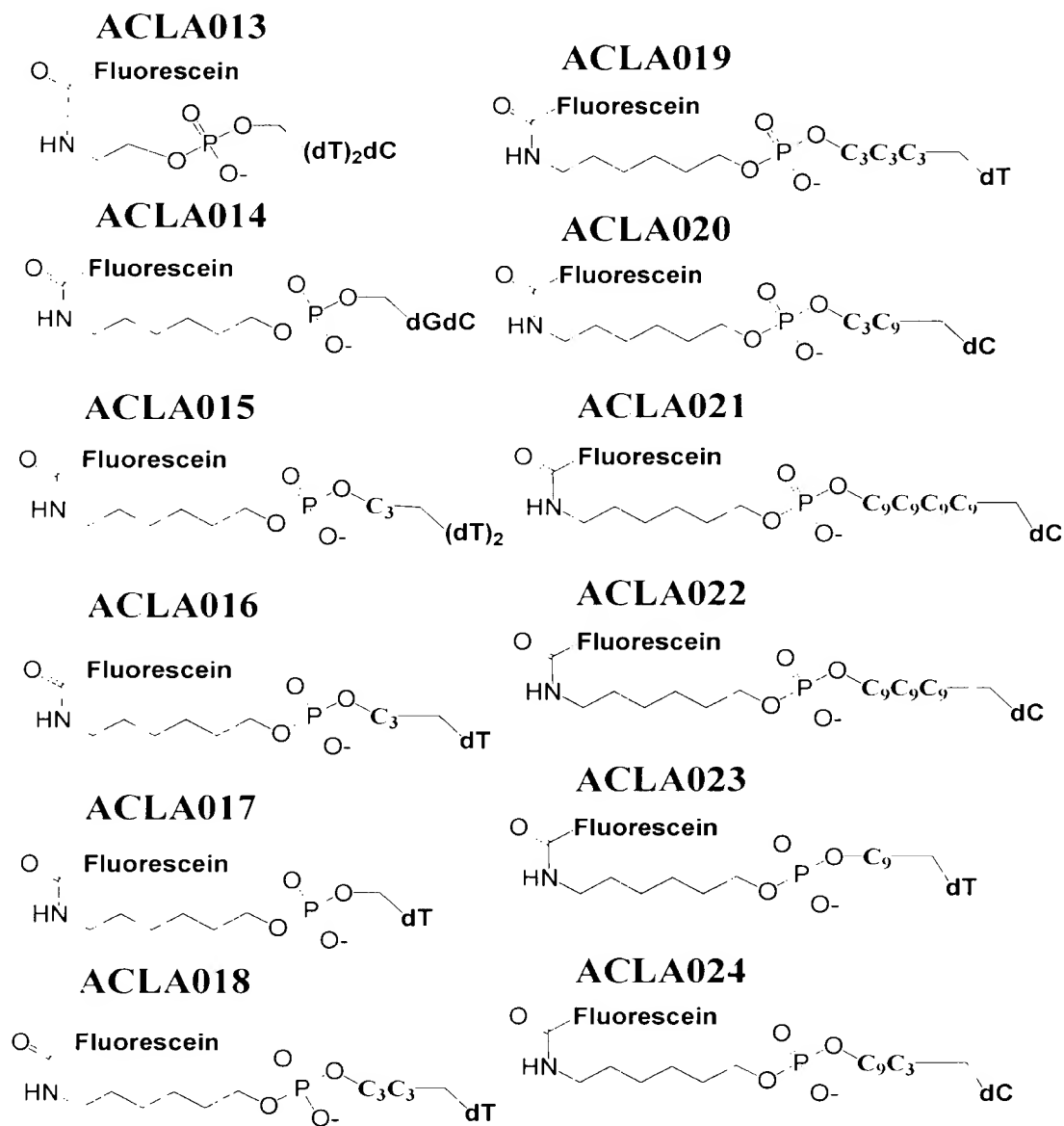
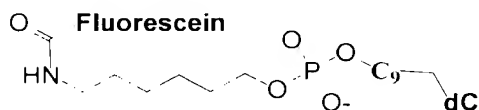
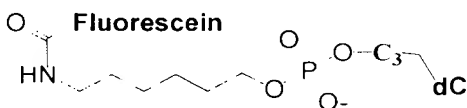


Fig. 17B

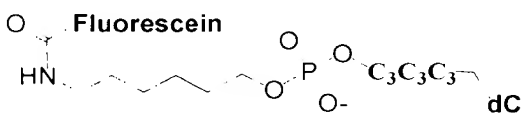
ACLA025



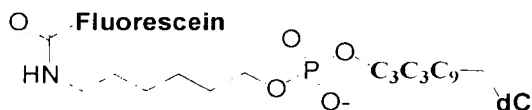
ACLA026



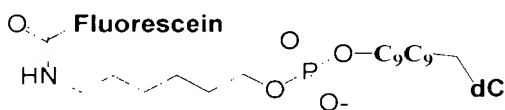
ACLA027



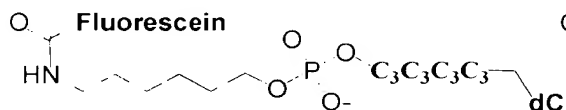
ACLA028



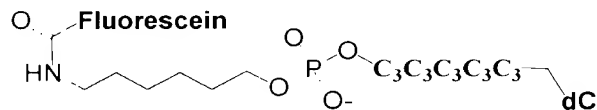
ACLA029



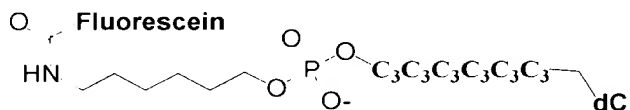
ACLA030



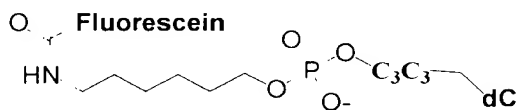
ACLA031



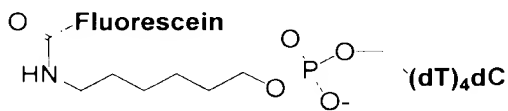
ACLA032



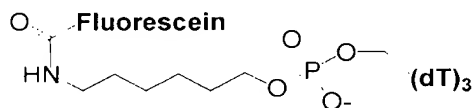
ACLA033



ACLA034



ACLA035



ACLA036

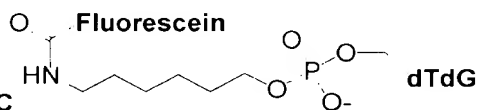


Fig. 17C

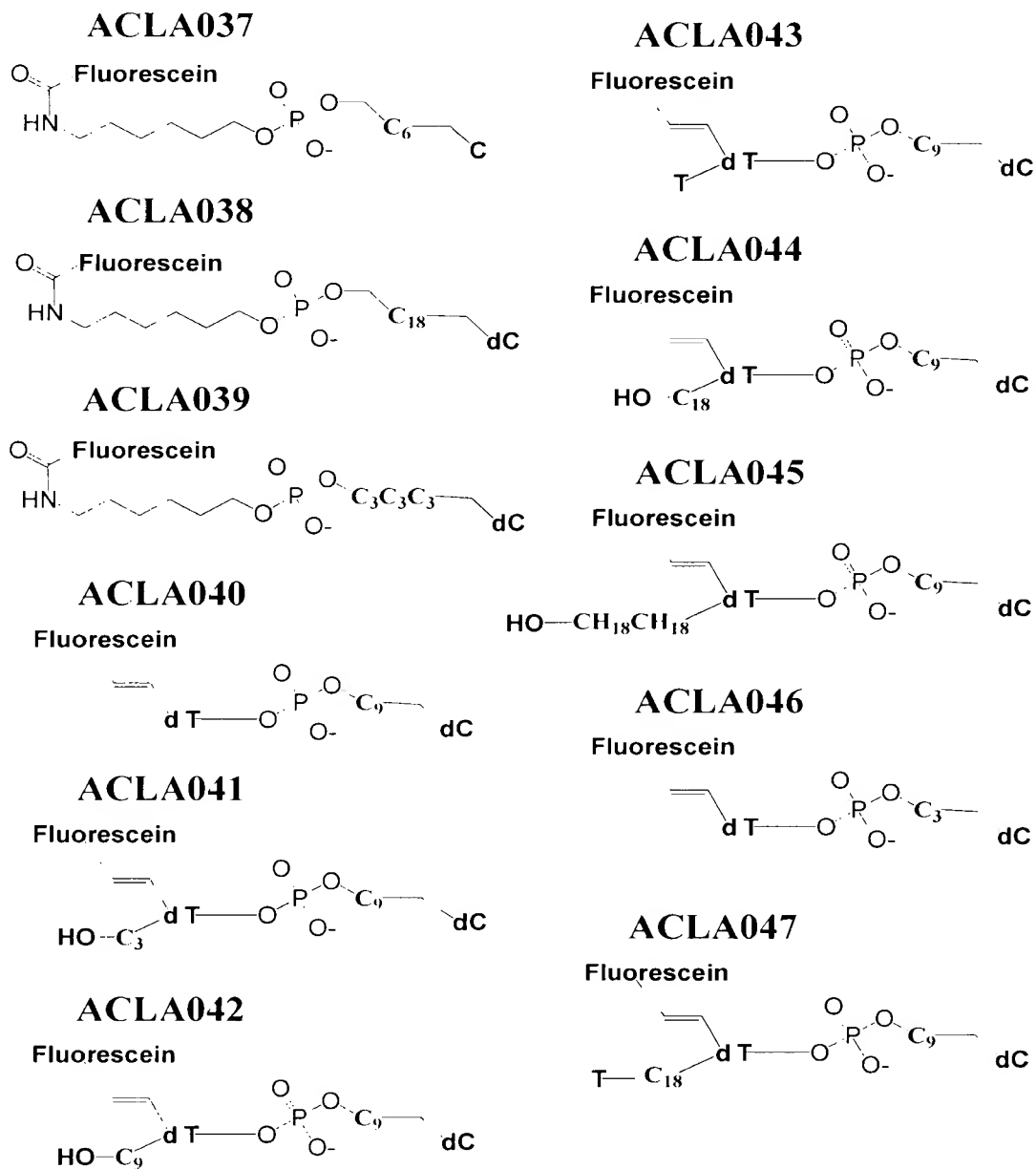
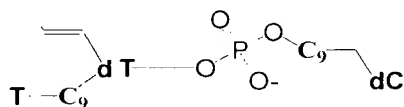


Fig. 17D

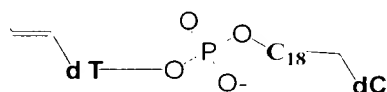
ACLA048

Fluorescein



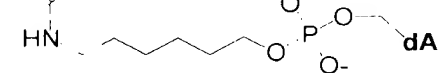
ACLA049

Fluorescein



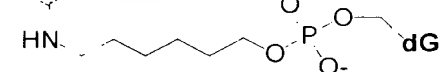
ACLA050

Fluorescein



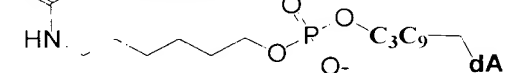
ACLA051

Fluorescein



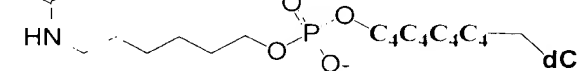
ACLA052

Fluorescein



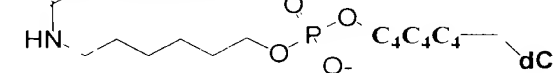
ACLA053

Fluorescein



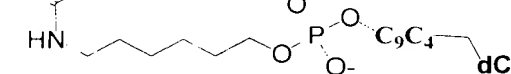
ACLA054

Fluorescein



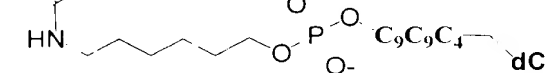
ACLA055

Fluorescein



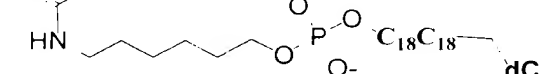
ACLA056

Fluorescein



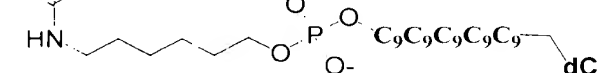
ACLA057

Fluorescein



ACLA058

Fluorescein



ACLA059

Fluorescein

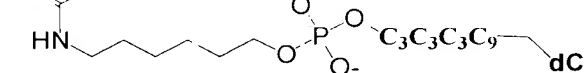


Fig. 17E

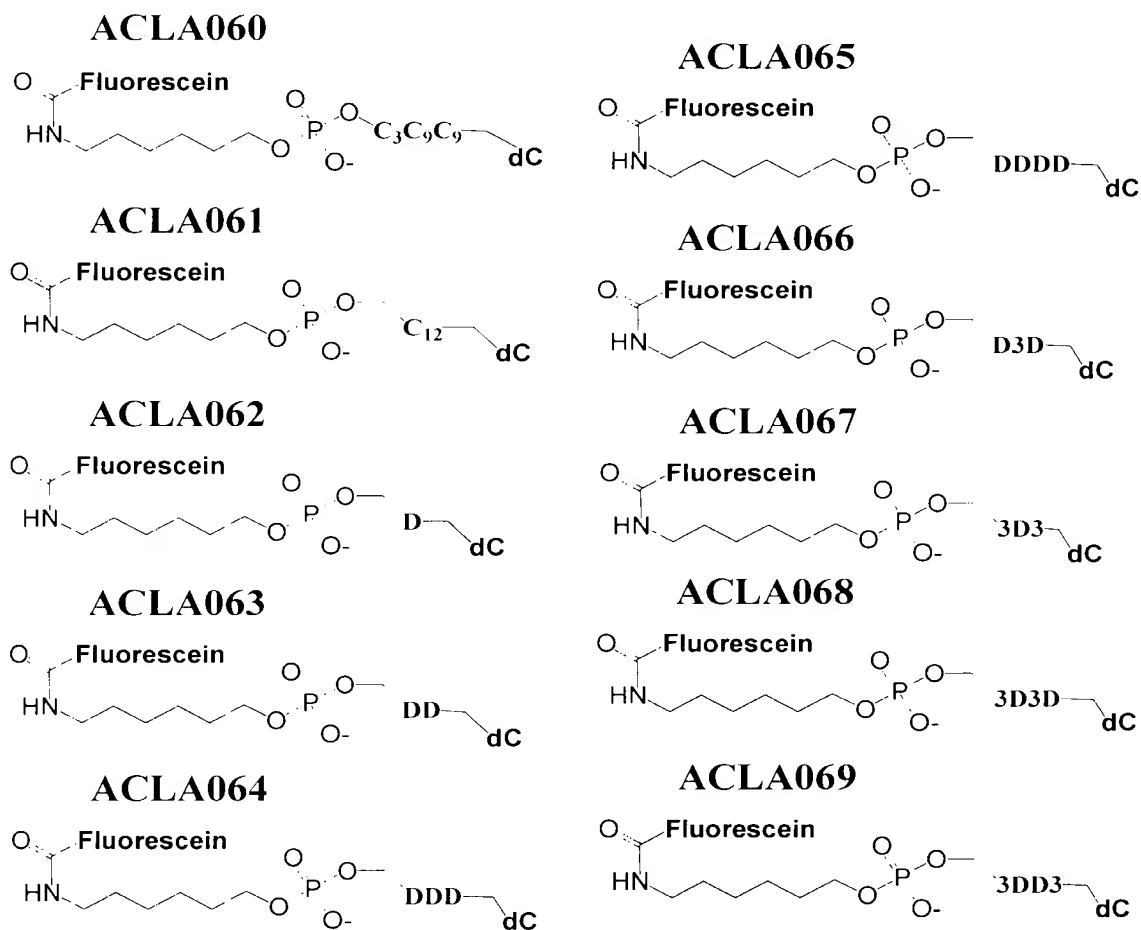
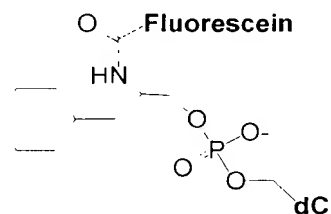
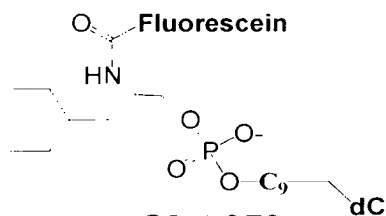


Fig. 17F

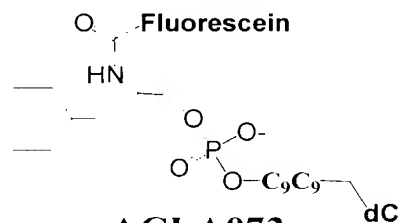
ACLA070



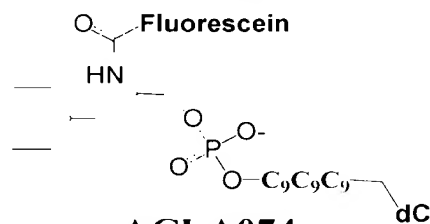
ACLA071



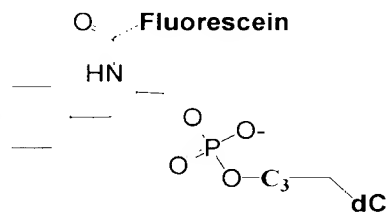
ACLA072



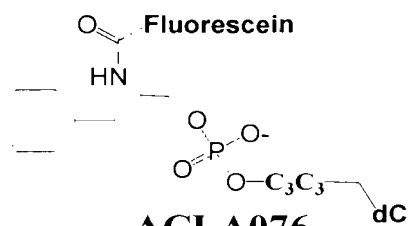
ACLA073



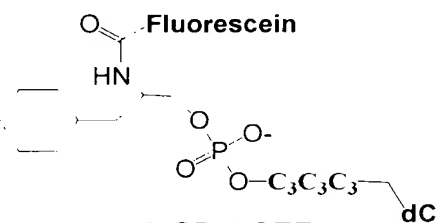
ACLA074



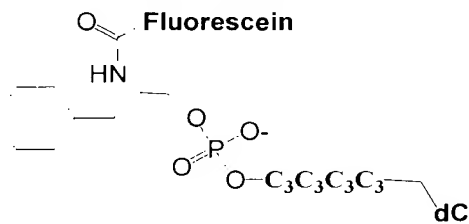
ACLA075



ACLA076



ACLA077



ACLA078

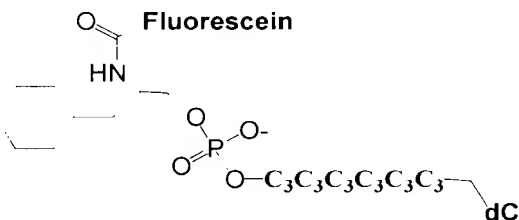
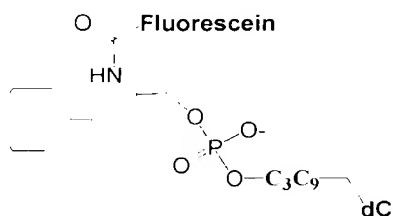
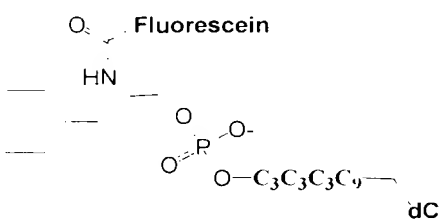


Fig. 17G

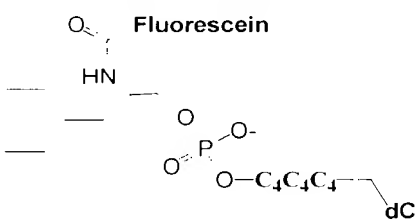
ACLA079



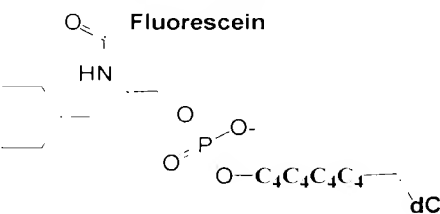
ACLA080



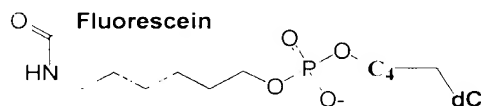
ACLA081



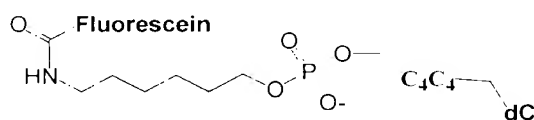
ACLA082



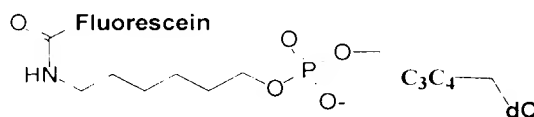
ACLA083



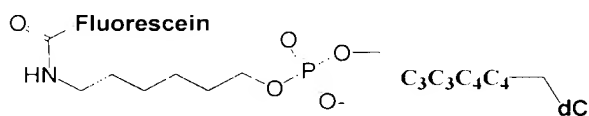
ACLA084



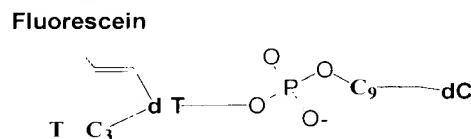
ACLA085



ACLA086



ACLA087



ACLA088

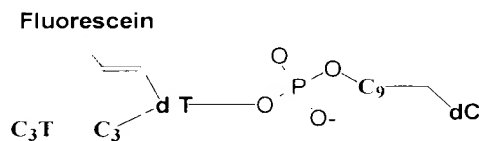
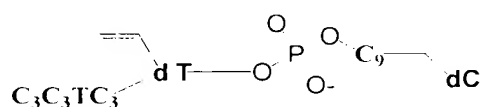


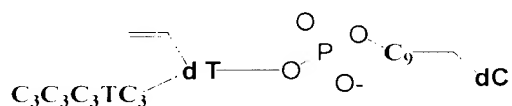
Fig. 17H

ACLA089

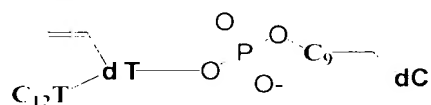
Fluorescein

**ACLA090**

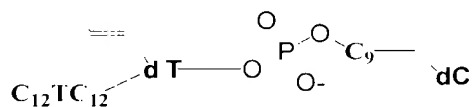
Fluorescein

**ACLA091**

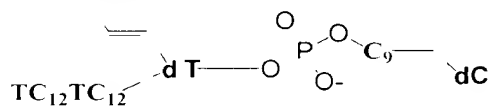
Fluorescein

**ACLA092**

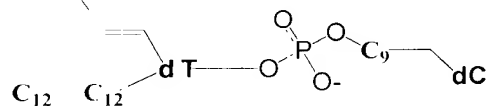
Fluorescein

**ACLA093**

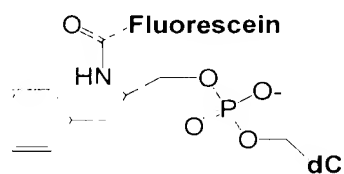
Fluorescein

**ACLA094**

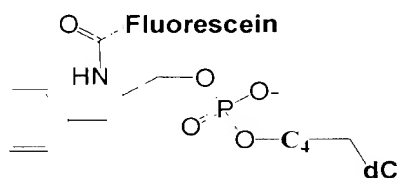
Fluorescein

**ACLA095**

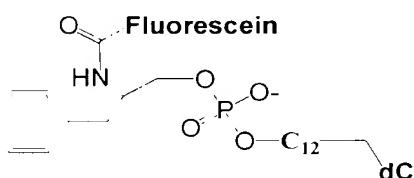
Fluorescein

**ACLA096**

Fluorescein

**ACLA097**

Fluorescein

**Fig. 17I**

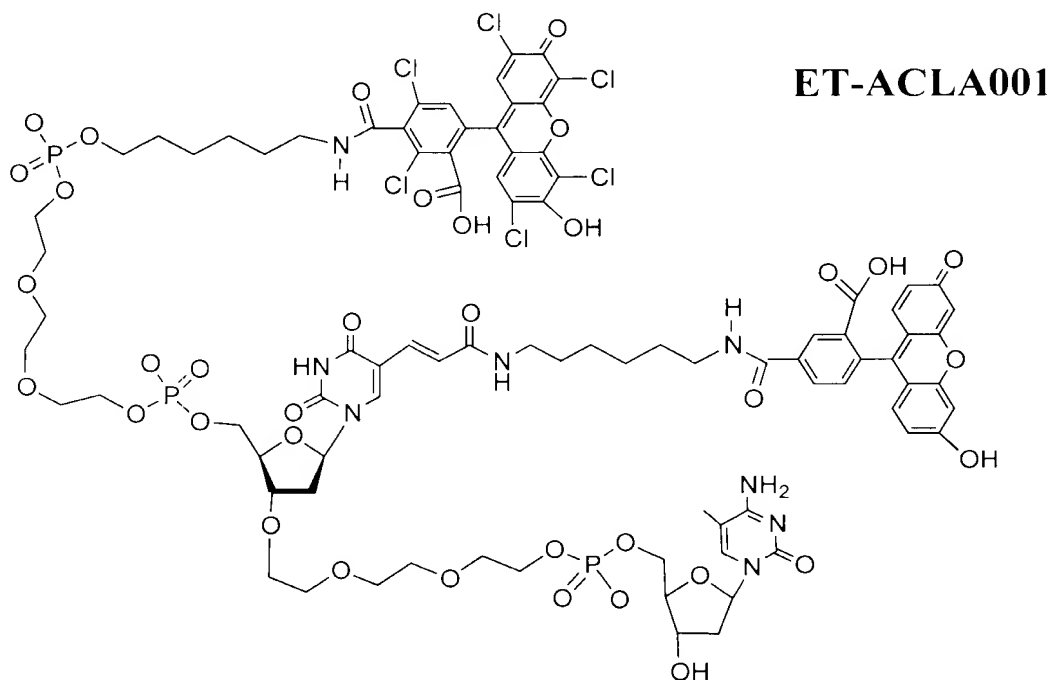


Fig. 17J

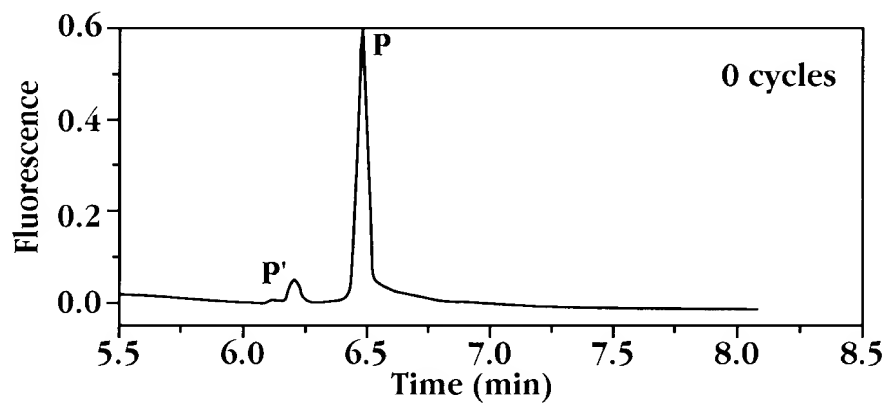


Fig. 18A

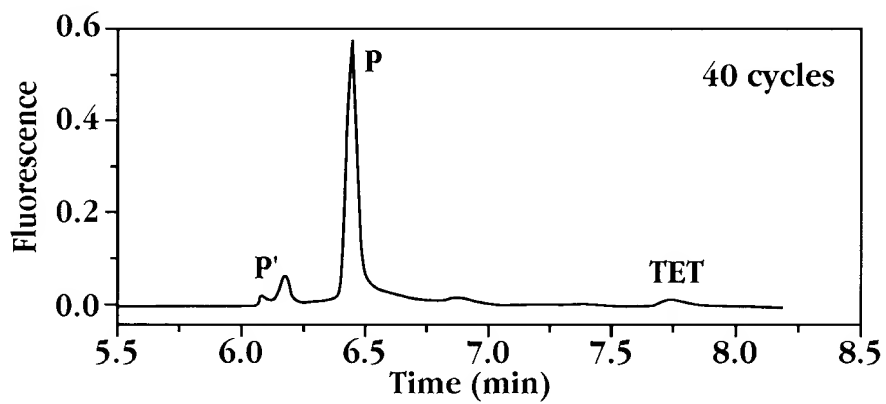


Fig. 18B

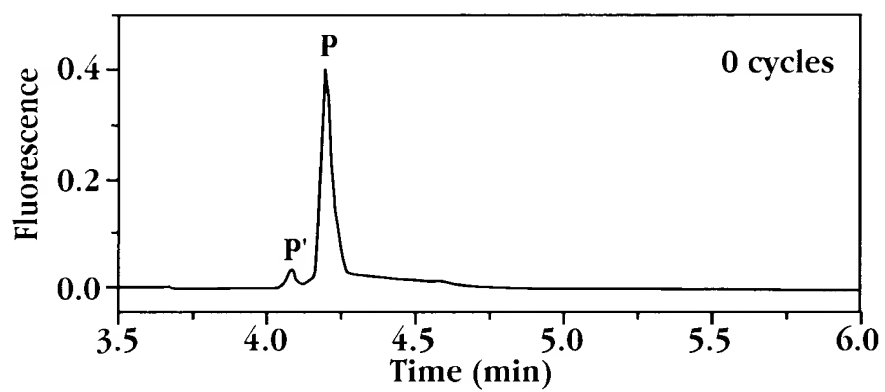


Fig. 19A

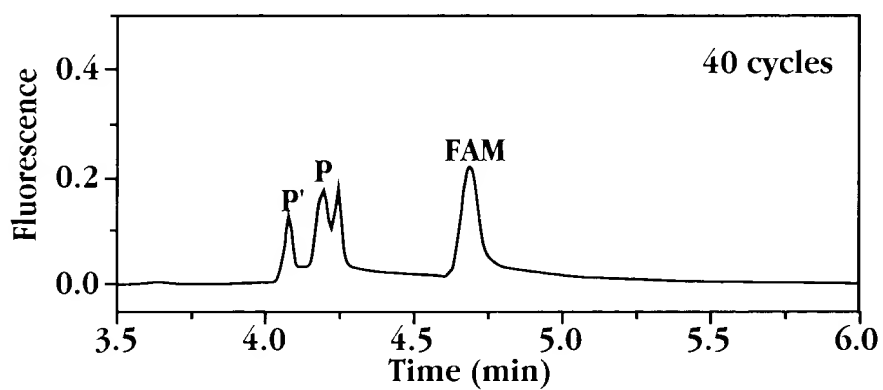


Fig. 19B

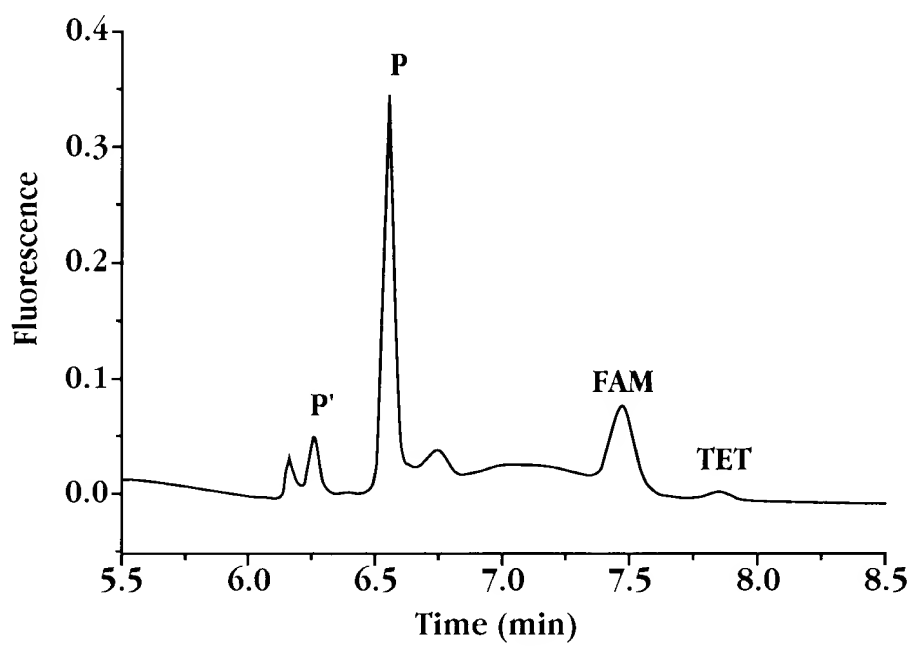


Fig. 20

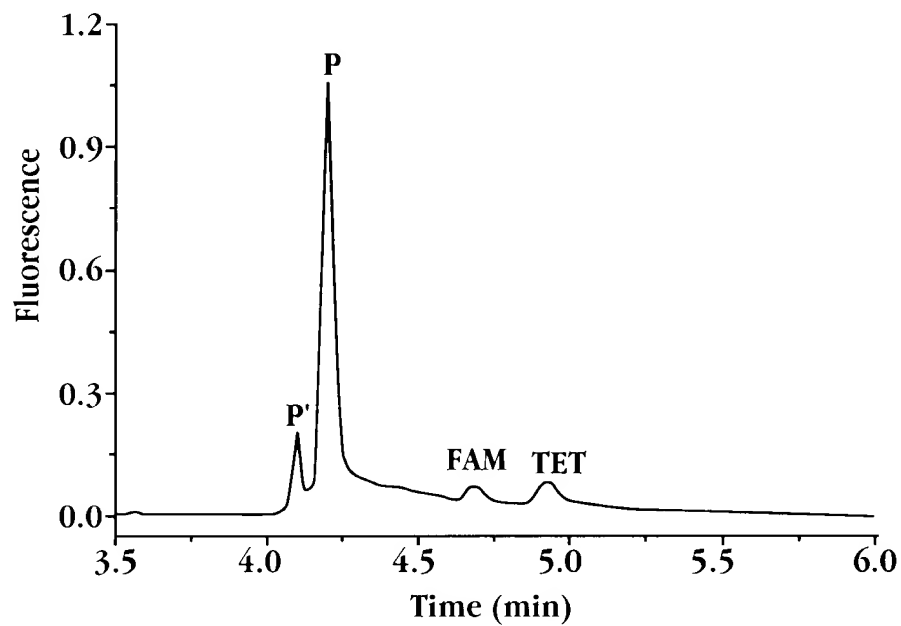


Fig. 21

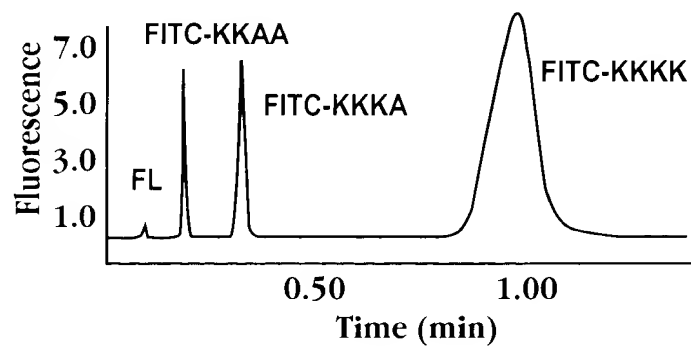
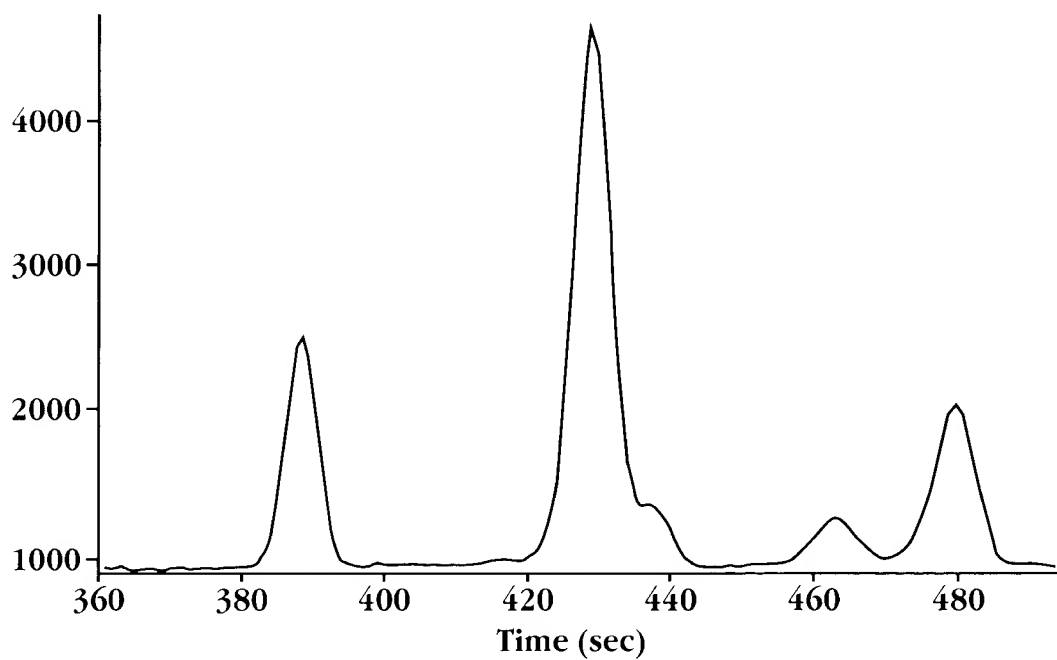
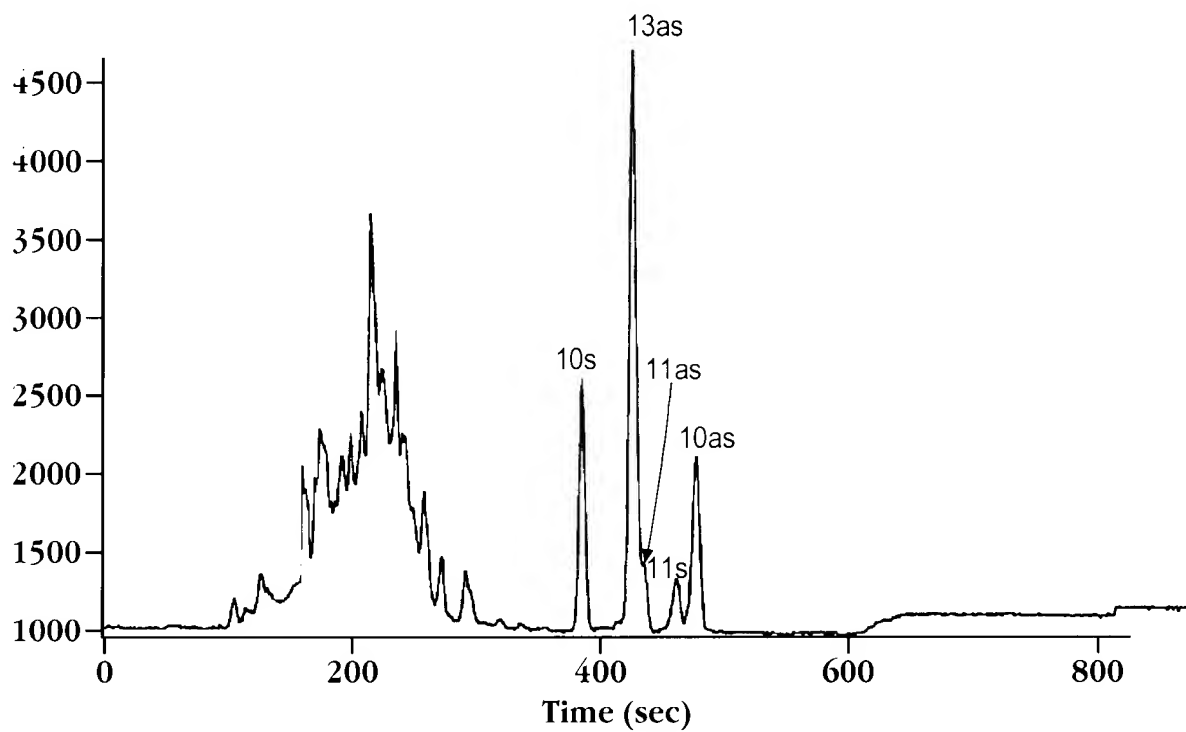


Fig. 22



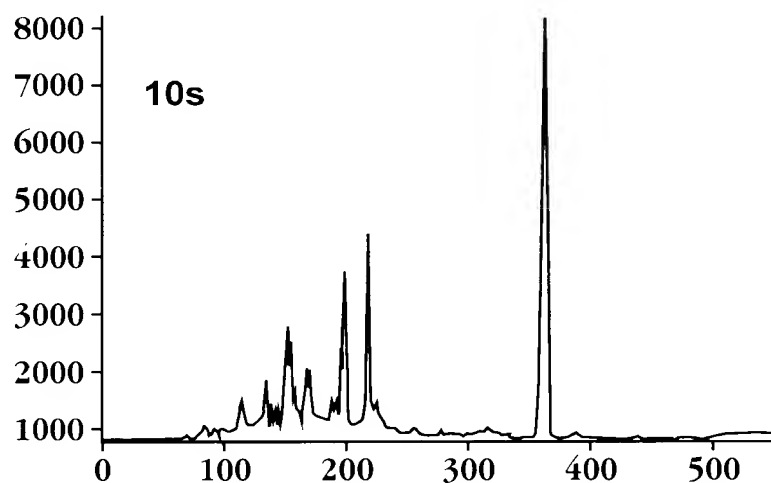


Fig. 23C

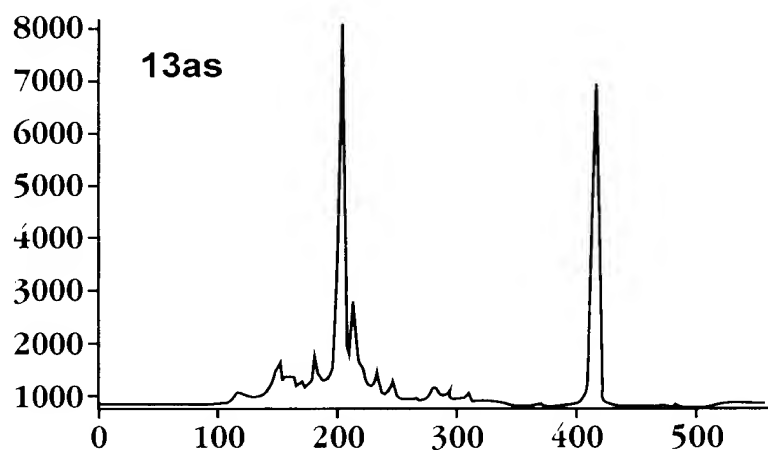


Fig. 23D

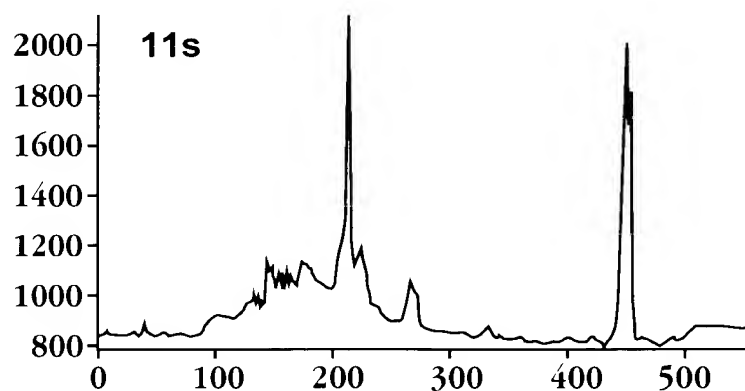


Fig. 23E

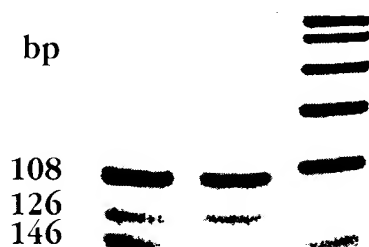


Fig. 23F

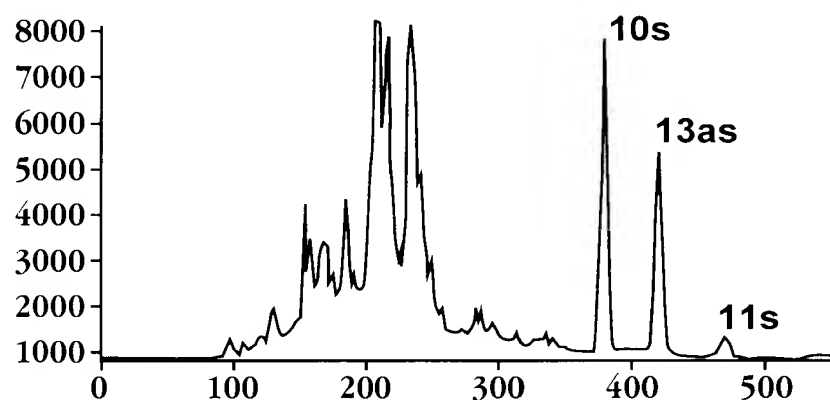


Fig. 23G

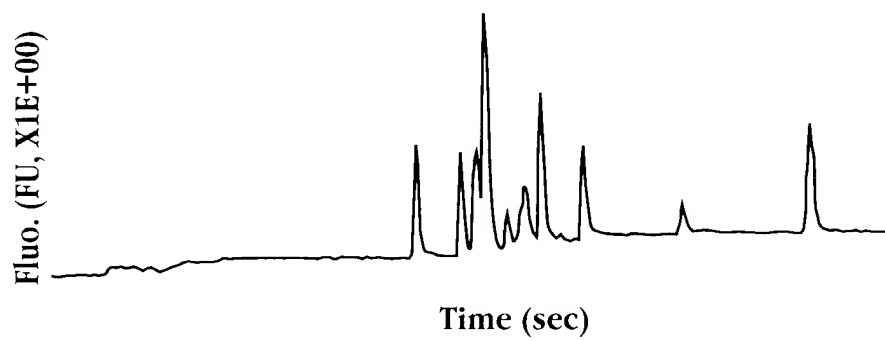


Fig. 24

At 1000 V	1000 V	1000 V
1000 V	1000 V	1000 V
1000 V	1000 V	1000 V

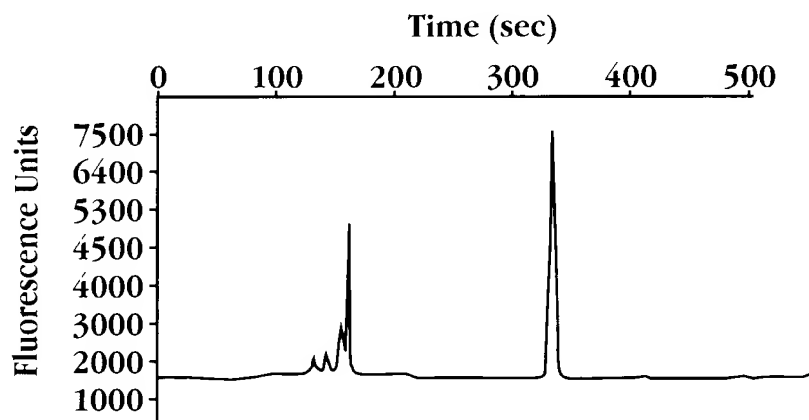


Fig. 25A

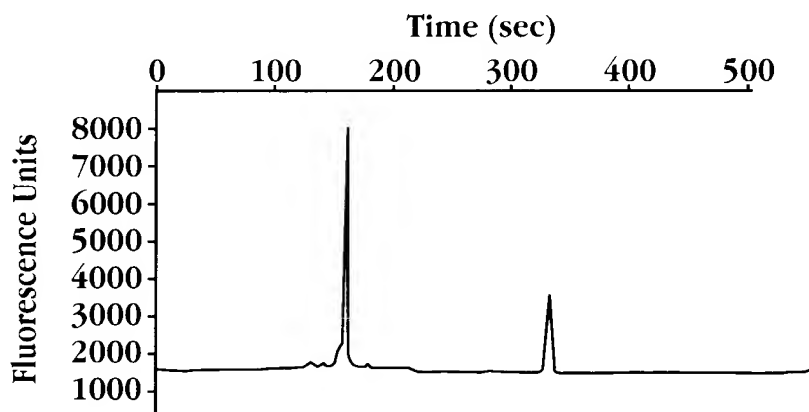


Fig. 25B

DATE	TIME	BY	REMARKS

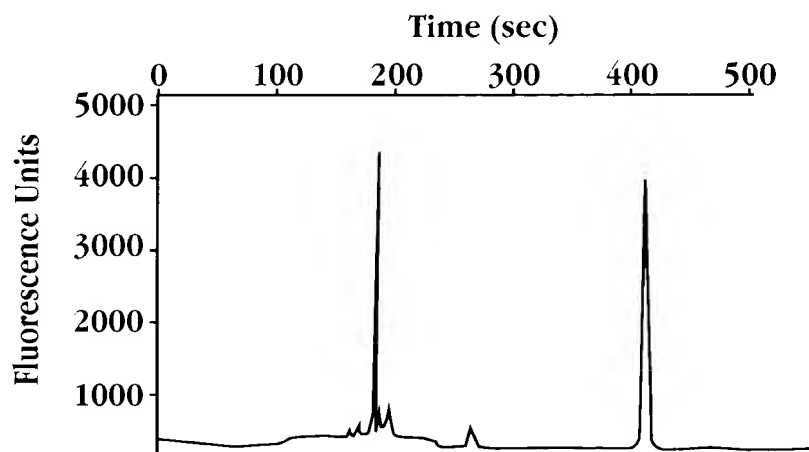


Fig. 25C

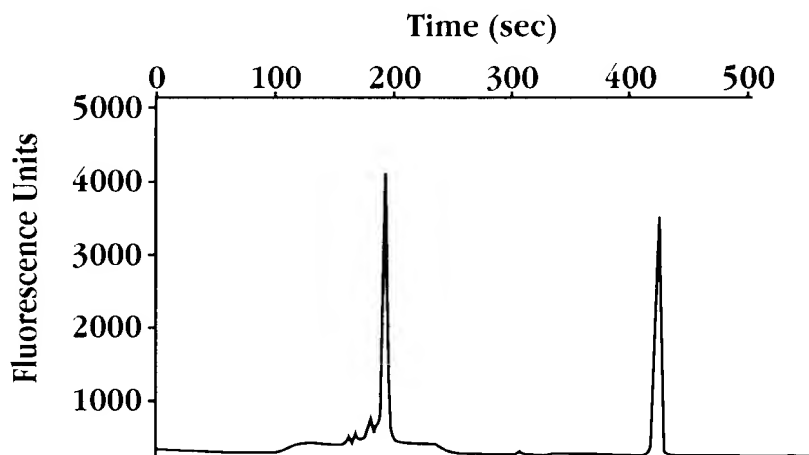


Fig. 25D

ALTERNATE	FILE	DATE
FILE		
DATE		

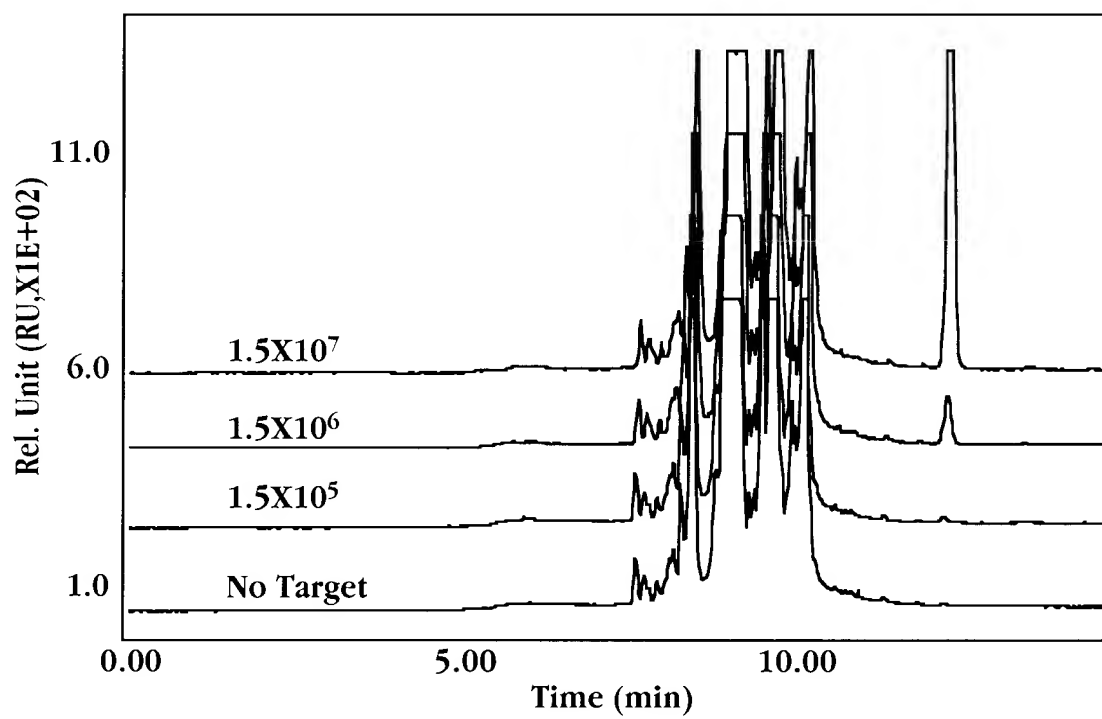


Fig. 26

APPROVED	DATE
BY	REVISION
DESCRIPTION	

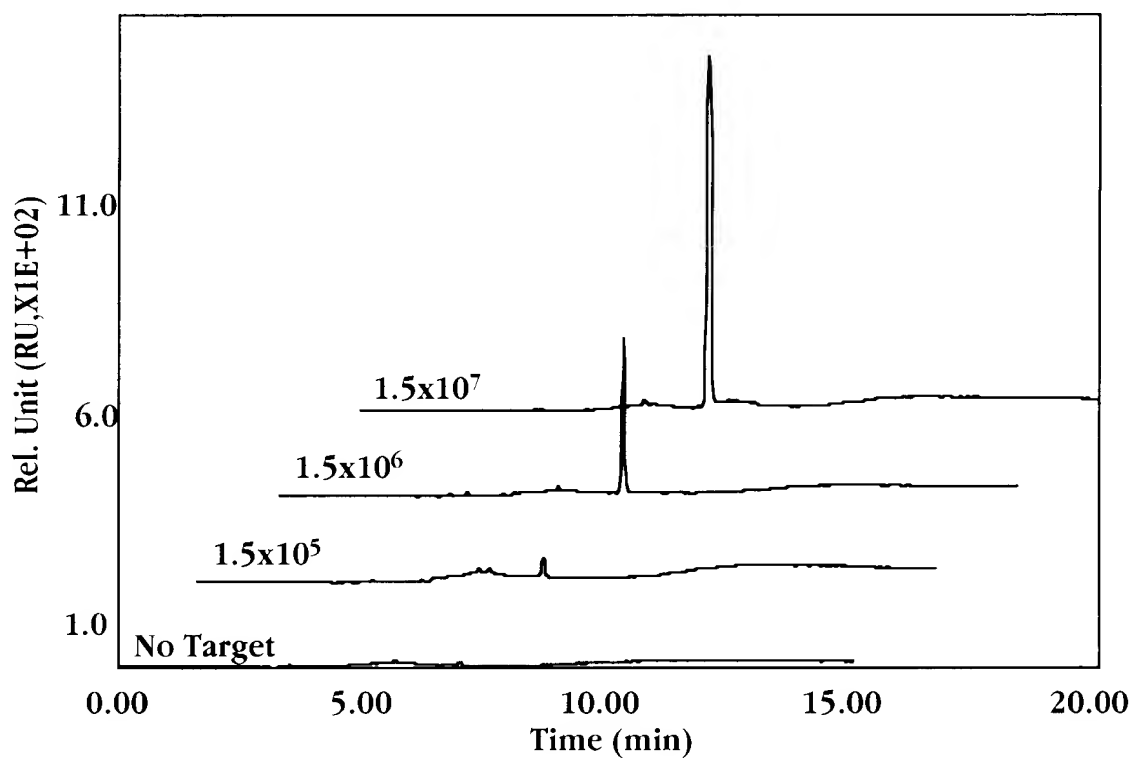


Fig. 27

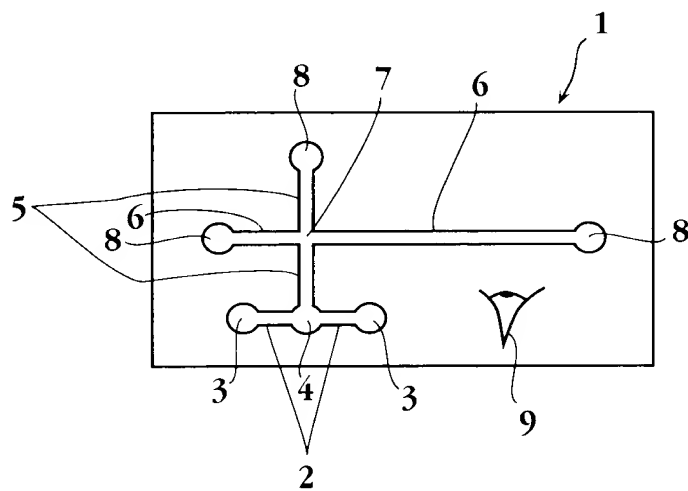


Fig. 28A

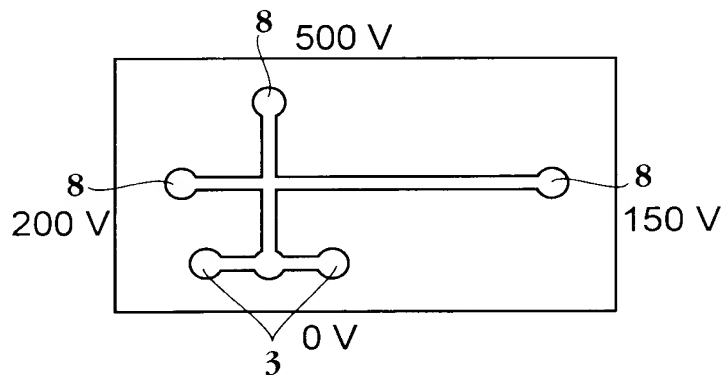


Fig. 28B

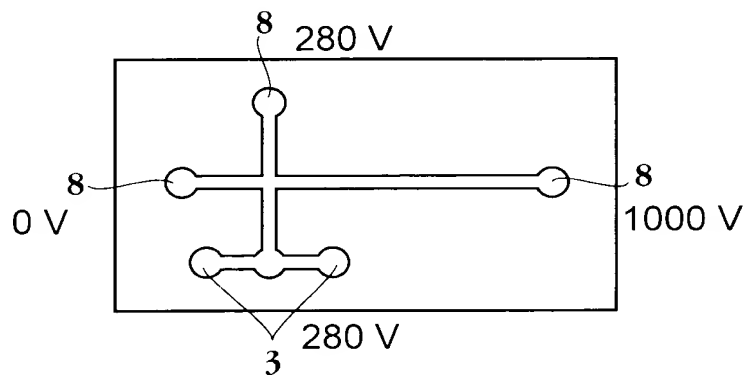


Fig. 28C

DATE	TIME	USER
1997	10:00	100
1997	10:00	100

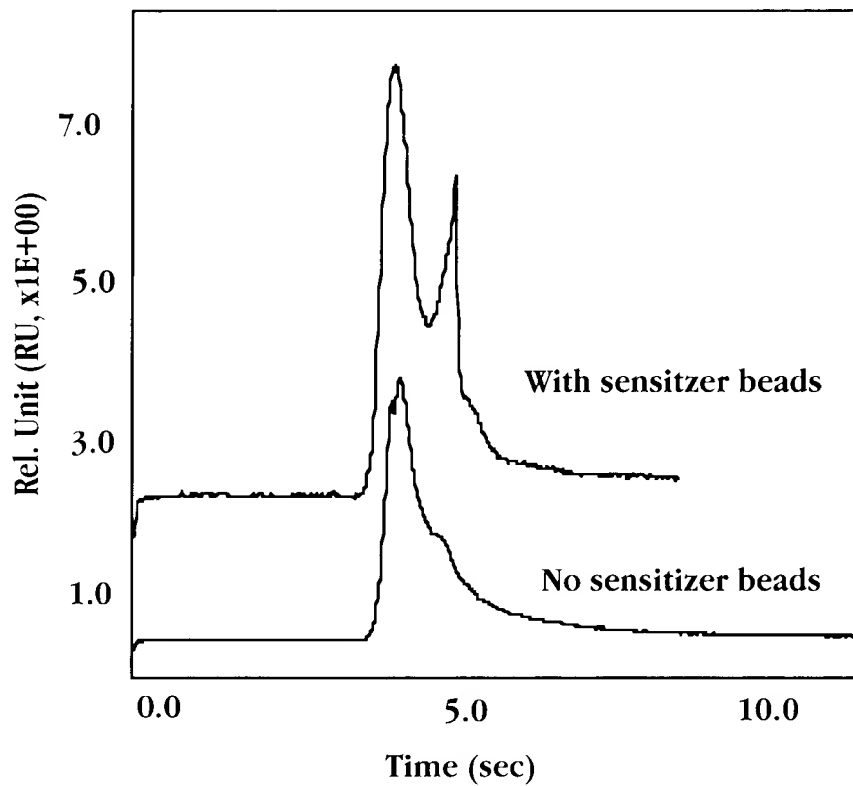


Fig. 29

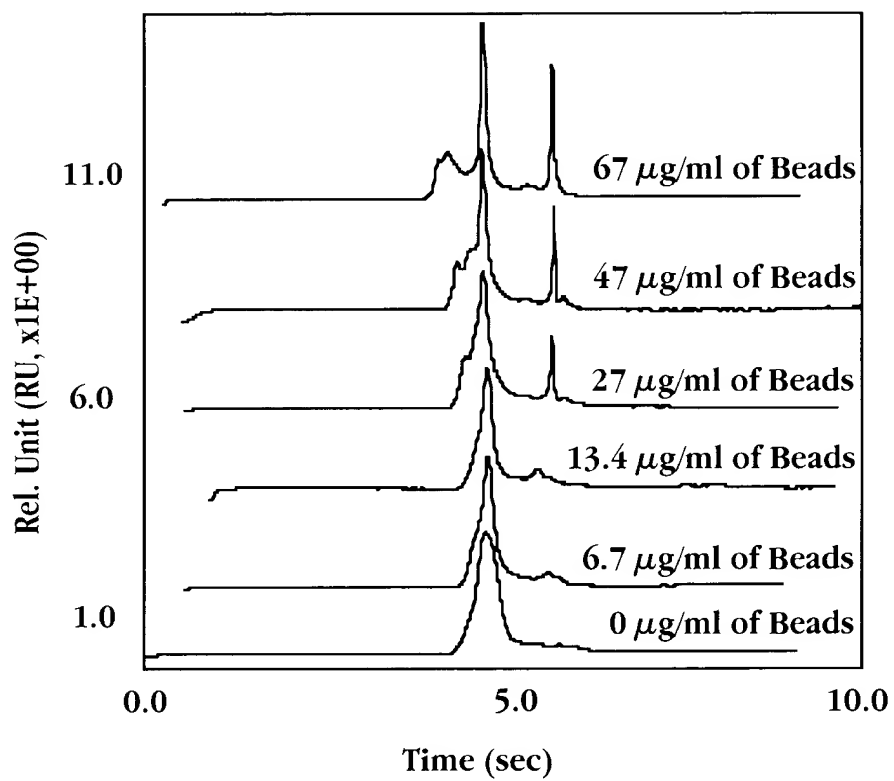


Fig. 30

Activity	1.1	1.1
IV	1.1	1.1
Time	1.1	1.1

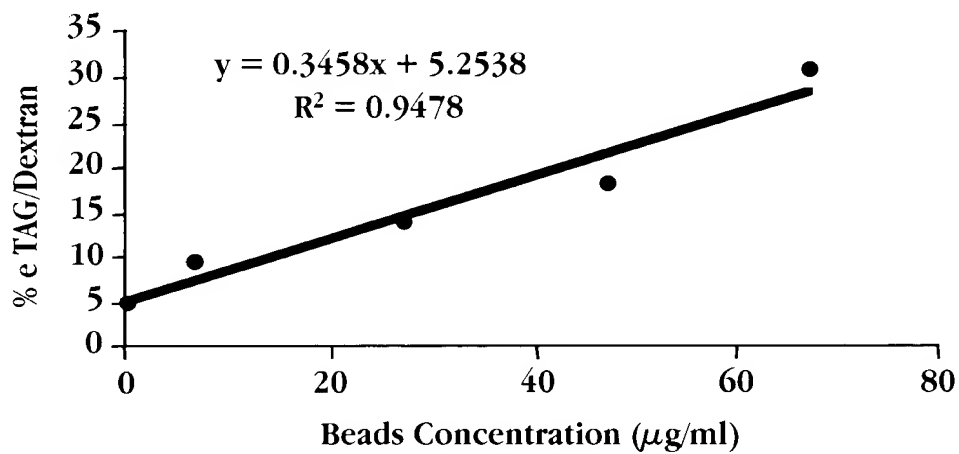


Fig. 31

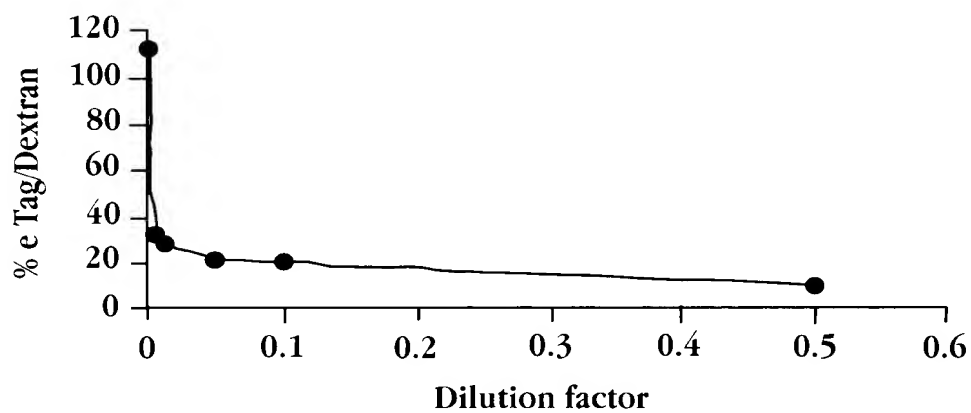


Fig. 32

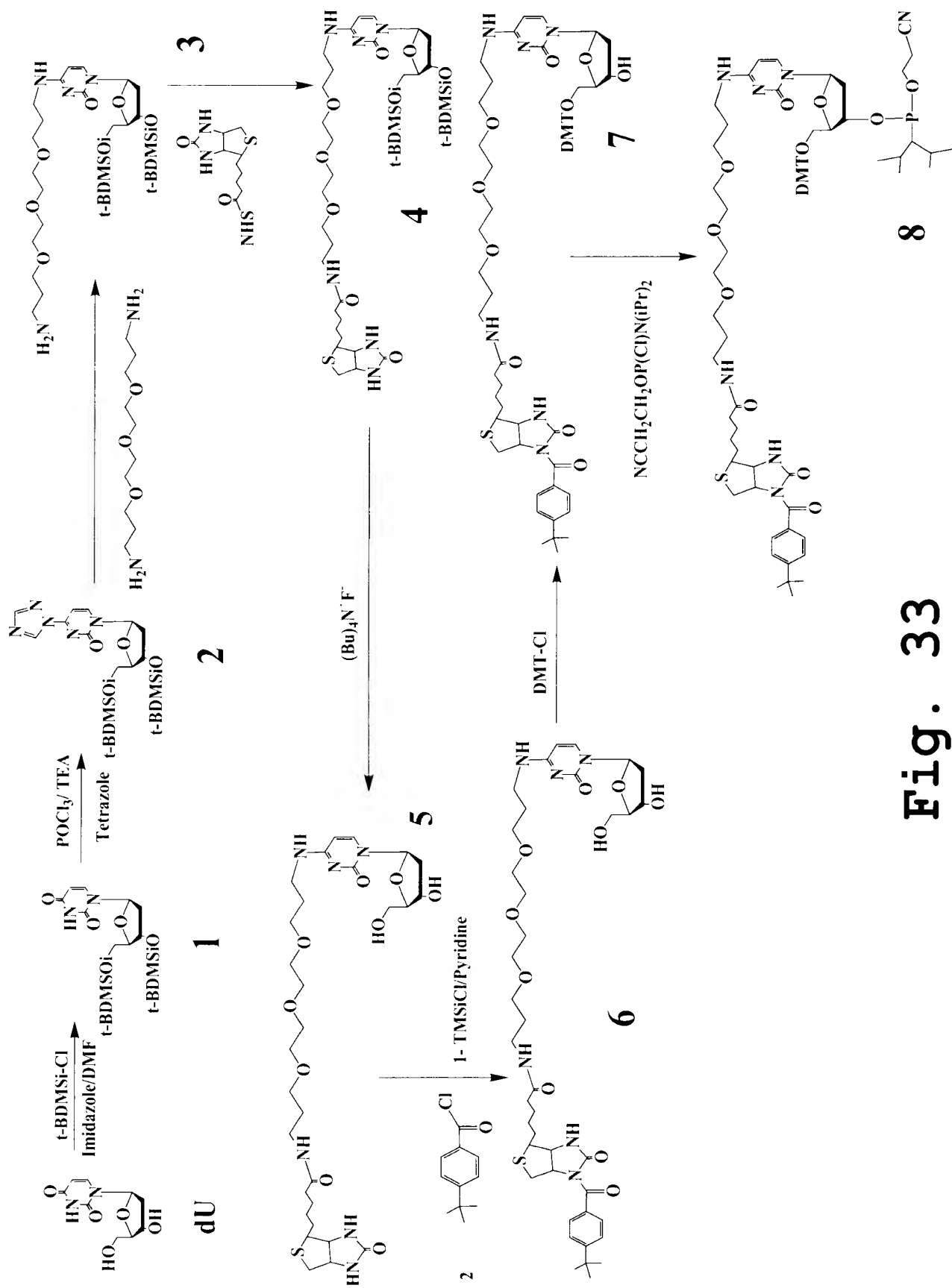


Fig. 33



Fig. 34